11587 - 11640
6 September - 23 October 1978

MEMO BOOK
3" x 5" 100 SHEETS

Property of
Arthur Cronquist
New York Botanical
Garden

Bronx Park
Bronx, New York
10458
U.S.A.

Scientific data, of
no commercial value.

Reward for return.

11587. 6 Sept. 1978.
South africa. Dry, stony, open slopes, fynbos type vegetation, above Hermanus. Elev. ca. 150 m.
Slender shrub 4-5 dm. tall.
Flowers dirty whitish.

(quartzitic sandstone)

Spatalla racemosa (L.) Druce

Proteaceae V.603
Spatella (2)

11588-6 Sept 1978
South Africa.
Same place as 11587.

Perianth-segments 3+1, dark red, hairy on the back with long white hairs. Filaments adnate to the perianth.

Serruria aemula R. Br. var. heterophylla Hutch

Serrulia aemula var. heterophylla (2)

11589 - 6 Sept. 1978.
South Africa.

Same place as 11587.
Plants with a large, persistent root-crown, ca 1.5 dm. across, from which the numerous slender stems arose. Leaves firm, rigidly acute. Flowers fetid-marcous. Petals pink with a white base. Filaments white; anthers rich pink. Stigma capitate.

Saltera sarcocolla (L.) Bullock.

Pedaliaceae

Saltera sarcocolla (2)

11590 - 6 Sept. 1978.
South Africa.
In fynbos vegetation on stony quartzitic sandstone slopes in the mountains above Hermanus. Elev. ca 300 m.
Shrubs up to about 1.5 m. tall. Sepals 4, white, usually outside. Stamens 8, pink.
Slender, freely branching shrubs

In Fernkloof Nature Reserve

Grubbia rosmarinifolia
Bergius

Grubbia rosmarinifolia (3)

11591. 6 Sept. 1978.

South Africa.

Same place as 11590

Slender, bay, openly branched shrub up to 6 dm. tall. Upper leaves with anthocyanic margins. Corolla light yellow.

Penaea mucronata L. ✓

V.603

Penaea mucronata (2)

11592 - 6 Sept 1978
South Africa.
Same place as 11590.
Stems simple or sparingly
branched, to 8 cm. tall
here, clustered on a large,
persistent root-crown.
Bracts distally
ochraceous. Corolla tube
red, the lobes bleached
but beset with white
hairs especially distally.

Retzia capensis Thunb.

Retzia capensis (2).

11593. 6 Sept., 1928.

South Africa.

Same place as 11590, but elev. ca. 450m.

Slender, branching shrubs up to 6 dm. tall. Corolla sticky, red at the base and summit, nearly white in between, the spreading lobes nearly white throughout.

Erica aristata Andrews

Erica aristata (2)

11594-6 Sept. 1978.
South Africa.
On quartzitic sandstone cliffs in fynbos vegetation in the mountains above Nieuwoudtville. Elev. ca. 450 m.
Freely branching shrub nearly 3 m. tall. Flower-heads gray-white.

In Fernkloof Nature Reserve.

Raspalia microphylla Brogn.

Restalia microphylla (3)

11595. 7 Sept. 1978.

South Africa.

Disturbed sites in
heathy vegetation on
low plateau shortly
north of ~~Port~~ Pearly
Beach, ca. 70 km. East
of Hermanus. Sandy soil.
Shrubs 2-3 m. tall.
Flowers pinkish-white. Petals
white, a little less than
1 cm. long. Stamens ca. 25.
Carpels 8-10. Capsule
circumcidal across the top

Leptospermum
laevigatum F. v. Muell.

Leptosperma (2)

10 Sept 1970
South Africa
Landslip near steps overlooking the Atlantic Ocean, ca. 3 km. north of Cape Point, Cape of Good Hope, in fynbos vegetation. Annual. Senecio asperulatus, with a red-tinted upper lip and no lower lip, white with a turquoise tinge and tinted another upper lip. Heterogenetic [illegible]

Heterogenetic [illegible]

(2)

11597. 9 Sept. 1978.
South Africa.

Same place as 11596.
Shrubs 5-8 dm. tall
with an anthraniloous
odour. Heads white-
-woolly, more loosely
and conspicuously so
in age.

Eriocephalus [illegible]

(3)

Eriocephalus racemosus L.

11578 - 9 Sept 1995.
South Africa. Same
place as 11576.
Tap-rooted annual with
many, spreading, woody
stems. Leaves white,
with a broad brown
stripe on the back.
Flowers 5 alternate
with the sepals. Three
broad intrastaminal
scales subequal with the
3 cells of the 3-locular
ovary. Ovules numerous
in axile placentas.
Leaves closely spirally
with conspicuous
white scarious

feinbriate stipules.

Pharmacum incanum L.

✓

Pharnaceum. (2)

11599
South Africa,
[illegible]
[illegible] Cape Peninsula,
a few km. north of Cape
Point. Cape of Good Hope.
Shrubs 1-1.5 m. tall.
Flower-heads bright
white, assisted by
various kinds of bracts.

Brunia laevigata Brongn.

✓

Brunia (3)

11600 10 Sept. 1978.

South Africa.

In fynbos vegetation on the Cape Peninsula, a few km. north of Cape Point. Cape of Good Hope. Heads yellow, compound, the outer with pistillate rays with the outside, Rays obscurely 2-3-toothed. Pappus a few cream.

Euryops

Euryops 2)

1601 - 10 Sept 1602.

Kaapstad.

Vlak-gelden. Rhyland.
Indiaeta. Antwerp,
the diner with bread,
Kaapstad. Rooi-gelden.
Tafel-berg. Table with
Kaapse flowers
white, variously
Kaapse. Kaapstad
Lang-Kinkhlatt.

The bay open, nearly flat,
overlooking the Atlantic
Ocean. Mount Johnstone.
Cape Peninsula, Cape of Good
Hope. View from north of
Cape Point
Orchid

11602 [redacted] 78

Arctotis acaulis L.
var. latifolia Harvey

✓

(2)

11602 - 10 Sept. 1978
Same place as 11601.
Corolla white-lucous,
the lobes reddish-brown
beneath.

Crassula fascicularis [illegible].

✓

Crassulaceae D

1603 11 Sept 1973.
South Africa.
Coastal fynbos on
sandy soil along the
Atlantic coast about 6
km. west of Atlantis.
Corolla regular, the
5 lobes (not fully
expanded) lavender with a yellow
throat eye.

Zaluzianskya villosa
F. W. Schmidt

Zaluzianskya villosa F. W. Schmidt

(2)

11 Nov. 11 Sept. 1978.
South Africa.

On flanks in coastal scrub north of Donkergat, Saldana Bay Region, on the Atlantic Coast.
Shrub ca 1 m. tall.
Flowers chlorocarpous, pentamerous. Stamens 5, trifoliolate, antisepalous. Staminodes 5, antisepalous, united by their filaments into a tube crowned by apparent style.

Cluytia daphnoides
5'

Nov 12 1898.
Leuchtenbergia.
Sent me by Mr. Marsh of
Shelton Slope,
Christchurch, outskirts
of Papanui, 7 miles
out. Flowers small
yellowish [illegible]
hyacinthiformis,
[illegible] white petals,
alternating with
small white
[illegible]
[illegible]
hyacinthiformis. Fruit
a reddish berry as
seen which is a little long,
with a rather thin
pulp.

Olinia ventosa (L.) Cufod.

Olinia ventosa (3)

11606 - 1st flower 1938.
South Africa. Along
a sandy margin in
karroo vegetation
ca 2 km. west. south-
west of Laingsburg.
along the Waterberg
road. In flower.
Perennial herb.
Stipules 5, with purple
veins. Stamens 5
pairs, unequal in each

A Linea del Cuore
Galenia. Energy meets
Intelligence.

Galenia Pro ✓
(E.17.) Sond.

11607- 14 Sept. 1978.

South Africa: Well-drained, rocky, quartz. Hill slope above a river bed in semi-desert shrub community in the Langeberg area, east of Riviersdam. Slender, erect shrub 2-3 m. tall, petals 4, fused, stamens 8.

Nymania capensis
(Thunb.) Lindl.

/

(3)

N.C.S. - 16 Sept 1929
South Africa.
With Mr. Command de Winter.
Open, rocky, quartzite mountain slope Magalies-berg Range at the outskirts of Pretoria. Elev. ca 1300 m.
Tough, slender, ascending to suberect, wiry-stemmed shrub up to about 6 dm. tall. Plants dioecious. Ovary of 3 carpels with separate tips. Fruit capsular, the carpels

spreading apart distally and opening ventrally. ~~Stamens~~

color photos 1 & 2.

Myrothamnus flabellifolia Welw.

✓

Myrothamnus. (4)

11 6 10 - 25 Sept. 1978
with Swiss Mannheim.
Malaysia. With Ehinger
[illegible] mudpeats
in mangrove thicket
along the coast at
Port Kelang, west of
Kuala Lumpur.
Standing 4-5 m. tall.
Bark white, with
3 short, slender spines
near the tip. Thorns
10. Canary Superior.

Serious condition.
Arnott

HCH - 25 Sept. 1970.
With Bruno Niemelä.
Halophila in many pools
& inlet along tidal
river at Port Hedland,
most of which dumped.
Sterile till to 10 m.
Fronds pale beneath.

Avicennia alba Blume

With Lumnitzera racemosa
and Sonneratia griffithii

Avicennia (1) ✓

11612 - 25 Sept. 1978.
with Bruno Manshein
Malaysia. In mangrove
thicket with Avi-
cennia and Sonneratia
along a tidal river at
Port Kelang, west of
Kuala Lumpur. Shrub
ca 2 m tall. Flowers
white. Ovary superior
with a prolonged hypan-
thium. Petals 5, stamens
10. Ovary unilocular

Lumnitzera racemosa
Willd.

Lumnitzera (3)

11613 - 25 Oct. 1915
with Burgersdorp
Mallotopsis Wood
Rhizophora mucronata
in mangrove thicket
along the coast at Port
Edward, east of Kwelo
Lagoon. Tall shrub,
2-3 m. Corolla sympetalous,
white.

Scyphiphora hydrophyllacea Gaertn.f.

Scyphiphora (2)

11614 - 25 Sept. 1978

Malaysia, with Bruno Mauhsin.

With Avicennia alba and Lumnitzera racemosa in mangrove thicket along tidal river at Port Kelang, west of Kuala Lumpur. Small trees several m tall. Sepals 6. Petals none. Stamens very numerous, inflexed in bud. Ovary with 13-17 locules. Placentation axile.

Sonneratia griffithii Kurz

Sonneratia (2)

Dracophyllum ramosum Pancher
ex Brongn. & Griseb.

1161 [illegible]

[illegible] New Caledonia

Terrain: tall closed thickets of Riviere Kkouo, white fruited with berries, ca 30 km east of Koumac.

Observation:
Developing fruits & leaves, with 2 sporocarps and empty peridia remaining on long fruiting stalk [illegible].

Oncotheca balansae Baillon

✓
368.8

[illegible] (4)

[illegible] forest in
H.F. Mount + N. Province.
New Caledonia. In ravine
short forest in a hollow
on N. slope des Sources,
ca 30 km. airline east of
Noumea. Peridotite
substrate. Twisted small
tree ca 4-5 m. tall.
Elev. ca 850 m.

Canacomyrica monticola
Guillaumin

✓

(3)

Canacomyrica

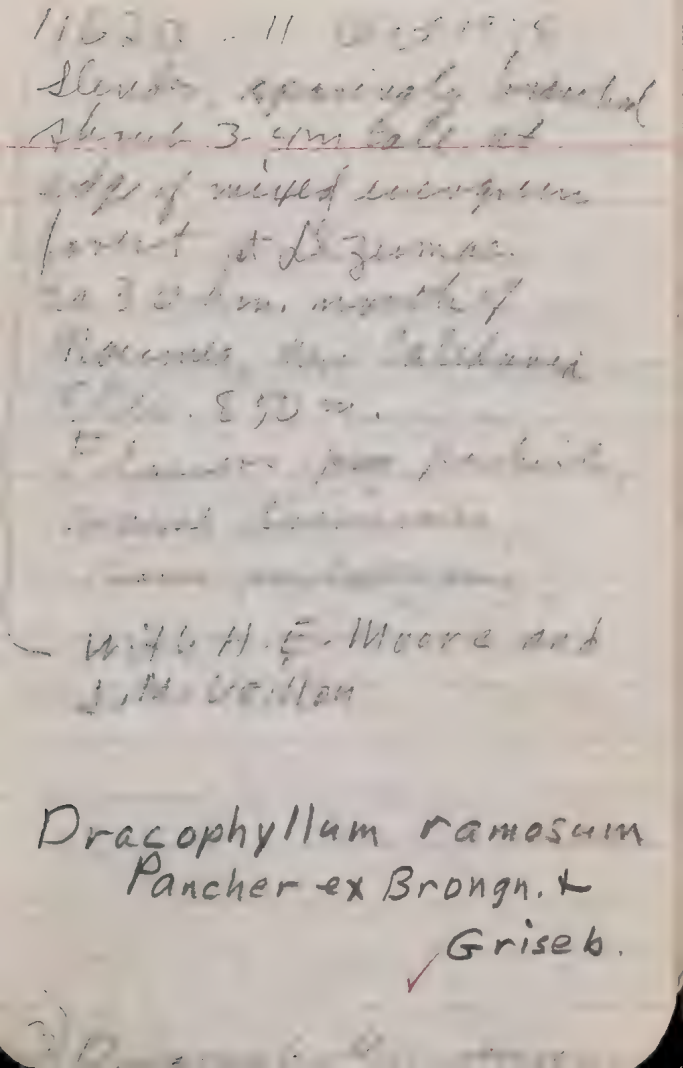
~~HFBS~~ 11618 - 100ct 1978, with H. E. Moore and J. M. Veillon.
New Caledonia.
Same plants 11617.
Arborescent shrub ca 3m. tall. Petals 4, yellowish. Stamens 6, in a single series.

Sphenostemon platycladum Baillon

Apiaceae (?)

11619. 10 Oct 1973.
W. Th. H. E. Moore and J. M. Vieillard. New Caledonia. Sans précision. 617.
Shrubs, sparingly branched and densely short c. 3m. tall. Calyx-lobes 4, petals 4, pistils, apparently distinct. Ovary superior, (apical?) without a style.

Thelline lucida Vieill.



Dracophyllum ramosum
Pancher ex Brongn. &
Griseb.

11621-bis Pronyen
bords de l'Ouenarou W.
Voillen. New Caledonia
Sample 11617
Clusters, inflorescences.
purple white with a
pinkish brown tip to
the bract, distinct. Out
common for Pittosporum
tobira type.

~~Sample 11617~~

Pittosporum pronyense
Guillaumin

✓

P. pronyense

11692 — 15 Oct. 1976.
With Bernard Hyland
Queensland, Australia
Annotated Eucalypts
this roadside in farming
country with Atherton
table-land, ca 30 km.
southwest of Atherton.
Elev. ca 300 m.
Tree about 5 m. high
said to be typical of
undisturbed of the
native forest.

Herbarium Australiense
F. Muell.

11623 [illegible] Oct. 1934
With Alick Dockrill
Low places along the
Walsh River, near its
headwaters, in tropical
evergreen forest on the
west side of the Great
Dividing Range, west of
Atherton, Australia.
Elev. ca. 1000 m. Queensland
Flowers white

Helmholtzia acorifolia
F. Muell.

(4 incl. 1 sheet 1, 1 sheet 2
Herb. [illegible] 4)

11624 - 16 Oct. 1972,
with Alice Docker, Queensland,
Australia. In tropical rain-
green forest near the head-
waters of the Walsh River,
on the west side of the
Great Dividing Range,
west of Atherton. Elev.
ca. 1000 m. Slender, arbor-
escent shrub ca 4 m. tall.
Elev. ca 1000 m.

Polyosma cunninghamii
Whitet Francis

Polyosma (3) new

1825 17 Oct. 1775
W. J. Bruce Gray
Queensland, Australia
Canopy tple, ca 30 m
tall in tropical rain-
forest ca 30
diam. Roots of Ficus.
Elev. ca 900 m.
Fruit calyptra soon de-
ciduous. Petals ca 9;
stamens ca 25-30;
staminodes ca 3-10;
carpels ca 8 ll.
Petals and
stamens deciduous.
Galbulimima belgraveana (F. Muell.)
Sprague
(G. baccata F. M. Bailey)

11626 - 18 Oct. 1976. with Bruce Gray. Queensland, Australia. In tropical evergreen forest along Harvey Creek, at the northeast base of Bellenden Ker Mountain, ca 16 km. north of Babinda. Elev. ca 20 m. Tree ca. 20 m. tall, slightly aromatic. Flowers dull brownish

Idiospermum australiense (Diels) S.T. Blake

Idiosperma (44)

11627 - 18 Oct 1978. With Bruce Gray. Queensland, Australia. Understory tree ca 6 m. tall in tropical evergreen forest along (but well above) the Little Mulgrave River, ca 30 km. southwest of Cairns. Elev. ca. 50 m.

Flowers 1-3 in the axils, whitish. Calyptra and hypanthium green, glaucous. Flowers inhabited (and presumably pollinated by) numerous small beetles with a long snout. Stamens ca 70, with a short, broad, laminar base

and a small-deferid, latrorse-introrse anther. Carpels laterally coalescent, flat-topped, with a feathery-whitish stigma at the summit.

Eupomatia laurina R.Br.

Eupomatia (3, including 1 sheet 1, 1 sheet 2)

11625 - 21 Oct. 1978.
New South Wales, mid-north
Nicole Alexander Floyd.
Roadside in farming
country (originally
tall open forest of
Eucalyptus saligna)
ca 2 km. north of Bryan,
District of Dorrigo.
Dioecious shrub ca 3m.
tall, ~~dense~~ sparse, erect,
branches recurved, rigid-
green, ~~fleshy~~ fleshy, white.
~~flowers~~ staminate flowers
with numerous stamens
and 1-2 small carpels
pistillate flowers with
2-5 carpels and no
stamens. Leaves green
beneath

Tasmannia stipitata
(Vickery) A. C. Smith

1/

Tasmannia stipitata

11629 21 Oct. 1937.
[illegible] South Wales, Australia
W.H. Alexander Floyd.
Steep, dry, rocky north slope
on the east face of Barrigan Hill,
Barrigan National Park, in dry
sclerophyll forest dominated by
Eucalyptus goniocalyx. Elev. ca 3600'.
Small, short-boled, soft wooded
tree. Leaves with small, firmly
attached stipules. Fruits with very
numerous carpels, acute
pleurostoids, and only
seed per locule.

Codonocarpus attenuatus
(Hook.) H. Walter

✓

stipules
Endocarpus (2)

11630 21 Oct, 1932

[illegible] Alexander Floyd,
Rain forest in Dorrigo [illegible]
road, Fork, 14 Wkm east
of Dorrigo, 1 metre ⇐ 65 cm.
Diffuse shrub 3-4 m tall.
Sepals 2, whitish, boat-like,
connate. Petals 2, white.
Staminate flowers with numerous
stamens and one small carpel.
Pistillate flowers with a
single carpel and no stamens.
Leaves green beneath.

Tasmannia insipida R. Br.
ex DC.
✓

11631-21 Oct. 1978
New South Wales, Australia.
With Alexander Floyd. Wet
sclerophyll forest [illegible]
with a very developed [illegible]
layer [illegible] Bindarra
Range, ca. 13km. southwest
of Coramba. Elevation [illegible]
Twining vine with
leaf-opposed tendrils,
Ovary inferior.

Petermannia cirrhosa
F. Muell.

_____ cirrhosa

11632 21 Oct. 1978.
W.A. Alexander Floyd.
Same place as 11631.
Scrambling, loosely twining vine, climbing to ca. 6 m.
Stamens 10-15.

Piptocalyx moorei Oliver

moorei
Piptocalyx

11633 21 Oct. 19[illegible].
[illegible]
New South Wales, Australia
Moist, low heath-type vegetation at the South side of Coffs Harbour, just north of the airport. Elev. 3 m.
Low, wiry shrub up to about 1 m. tall. Petals pink

Bauera capitata Ser.

Bauera (L.) capitata

1/2 74 21 Oct. 1905.
Mt. Alexander Flora.
Sowa phia #11633.
Shrubby shrub up to about
1 m. tall. Corolla white,
stamens 5, attached to
the corolla-tube alternate
with the lobes.

Epacris microphylla R. Br.

Epacris microphylla

11635 - 21 Oct. 1939.
With Alexander Floyd.
Same place as 11693.
Corolla light greenish-
-yellow.

Stackhousia viminea Smith

✓

Stackhousia (2) viminea.

23 Oct. 1938.
With James Armstrong and
Robert Coveny
New South Wales, Australia
Sandy heath-land, Ku-Ring-Gai
Park, ca. 35 km. north of
Sydney, Elevation 250 m.
near
West Head Road
Locally, Boronia
clavata up to about 6 dm. tall.
Sepals 4; petals 4, pink-lav-
ender; stamens 8; ovary
with 2 or 3 terminal pores.
Ovary bilocular, each
locule with a single
ovule.

Tetratheca ericifolia
Smith

Tetratheca ericifolia
(3)

11637. 23 Oct 1978. Mrs
James Armstrong and
Robert Coveny
New South Wales, Australia
Same place as 11636.
Shrub up to about 5dm
tall, with few erect,
simple or few-branched
stems. Flowers whitish

Conospermum taxifolium
Smith

Conospermum taxifolium
(2nd page) (3)

11638. 23 Oct. 1978. with
James Armstrong and
Robert Coveny

New South Wales, Australia.
Same place as 11636.
Wiry, branching shrub
up to about 1m. tall
Flowers white.

Leucopogon microphyllus R.Br.

Leucopogon microphyllus

11639 - 23 Oct. 1978.
With Jean Armstrong
and Robert Coveny
New South Wales, Australia.
In seepy area on sand
stone substrate on
heath slope in Ku-Ring-
Gai National Park,
2 km north of Duri Hole
Entrance, along the road
to West Head, ca. 35 km.
north of Sydney. Flow. ca.
2 cm. Sprangling, wiry
low shrub. Sepals 6.
Petals 6, pink-lavender.
Stamens numerous, ca. 40.
Styles 2.

Bauera rubioides
Andrews

Bauera rubioides (3)

11(5-10 - 23 Oct. 1934.
With James Armstrong
and Robert Gourny
New South Wales, Australia
In Eucalyptus forest cove
in heath area on sandstone
substrate - otherwise same
place as 11637.
Slender, wiry, low shrub
up to about 5 dm. tall.
Sepals 4. Petals 4, pink-
lavender. Stamens 8, each
opening by an apical pore.

Tetratheca thymifolia
Smith /

Tetratheca thymifolia (2)

11641 - 13 April, 1980.
Page Co., Va. Mixed deciduous
woods with some pine, on east
slope of Massanutten Mt.,
shortly east of New Market Gap,
slender understory-tree 6-10
m. tall. Racemes tending to
be lax or nodding. Petals white.
Ovary glabrous across the
summit.

Amelanchier arborea (?)

1916

0 8 7 6 1 1

[illegible] 16-20

Cantonia 14-17

[illegible] 10-11-12

Mixed [illegible]
[illegible]
[illegible]
Purple pansy.
all anthocyanin absent
ca. 5 mm. [illegible]
[illegible]
anthocyanin present,
all [illegible]
on top. Leaves have
[illegible]
[illegible]

26 April 77656 - W.P.

27 April 78103 - Hamilton

78120.75 - Katherine Fenner

On shale banks shortly downstream from Katherine Fenner, at the east bank of Waramanga Int. Leucis antennaria fol.

78546

Bath Co. 1 km. e. of
Milboro Spgs. 22 May
Shenandoah Co. 8 km. airline
S. of Strasburg, shortly
sw. of Elizabeth Furnace,
23 May

11628

11628

1-5. Callao
10-11-61 m.

J. M Veillon

VADON.

Air Pacific 701
10:15 A.M. 13 Oct
to Brisbane

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100 SHEETS